

Claims:

1. An inductive charger adapted for a portable electrical devices and connecting with a rectifier for charging, comprising:
a hollow carrier having opposite end portions and an outer surface, at least a coil surrounding the outer surface thereof;
fixed magnets being respectively located at end portions of the carrier, N poles and S poles of the fixed magnets being positioned coincident with each other ; and
at least a sliding magnet between the fixed magnets, N pole and S pole of the at least a sliding magnet being positioned opposing to N poles and S poles of the fixed magnets;
wherein when the carrier moves, the at least a sliding magnet moves back and forth in the carrier due to magnetic repulsion between the at least a sliding magnet and the fixed magnets, flux of the coil varying and producing induced electromotive force, the instantaneous flux change is enhanced with quick moving of the sliding magne, thereby increasing induced electromotive force, correspondingly the induced electromotive force increasing to produce an induced current of large magnitude.
2. The inductive charger as claimed in claim 1, wherein the carrier has an inner surface with the shape of circle, square or other type.
3. The inductive charger as claimed in claim 1, wherein the number of the coils is one or more, which varies according to required magnitude of the induced current.
4. The inductive charger as claimed in claim 1, wherein the number of the at least a sliding magnet is one or more, N poles and S poles of the sliding magnets are positioned coincident with each other for reducing distance between poles thereof and fixed magnets, whereby magnetic repulsion is accumulated and moving speed of the sliding magnets increases.
5. The inductive charger as claimed in claim 1, wherein a magnetizer surrounds the outer surface of the carrier for limiting moving distance of

the at least a sliding magnet thereby adjusting magnitude of induced current.

6. The inductive charger as claimed in claim 1, wherein a plug connects with the rectifier to electrically connect with a charging socket or a socket of charger for charging.